

## Women in STEM Summit: Speakers



**Deborah B. Goldberg**  
**Treasurer and Receiver General of Massachusetts**

As a businesswoman, local official and community leader, Deb Goldberg brings to the State Treasurer's office innovative leadership, disciplined fiscal management and an unwavering commitment to ensure economic stability, security and opportunity for every Massachusetts resident.

Elected in 2014, Deb's focus is to protect taxpayer dollars, bring new levels of transparency to state government and advance policies that break down barriers and create economic empowerment through wage equality, financial literacy and college savings plans to name a few.

Deb remains deeply aware that even as our economy recovers ahead of many other states, too many families struggle to maintain ongoing financial security, lacking the tools, resources and skills they need to get ahead.

Deb served for six years on the Brookline Board of Selectmen, including two as its Chair, bringing policy budgeting to the forefront and enabling the community to maintain financial flexibility, even in tough times. She worked collaboratively to increase the supply of affordable housing, promoted appropriate economic development and launched new environmental protection efforts.

Prior to her career in public service, Deb worked in retail operations, buying and consumer affairs at The Stop & Shop Companies, Inc., a business her family grew from a small grocery store in the North End into a \$1.2 billion New York Stock Exchange (NYSE) company with 50,000 employees. At Stop & Shop, workers earned fair pay and good benefits to provide for their families.

Deb's experience includes a range of non-profit initiatives that have empowered women, children and families. She understands and has leveraged public-private partnerships to offer creative, high-impact policy solutions that combat the societal inequities we face. She is the President of Adoptions with Love, a non-profit adoption agency, and also serves on the Advisory Board of the Greater Boston Food Bank. Deb was one of the

Founders of Berkshire Hills Music Academy, a school for individuals with intellectual disabilities, and has been the Senate President's appointee to the Commonwealth Covenant Fund in the Treasurer's office since its inception.

A graduate of Boston University, Boston College Law School and Harvard Business School, Deb grew up in Brookline where she still lives with her husband Michael Winter and their son, Evan, and daughter, Meredith.



**Congressman Joseph P. Kennedy III, U.S. Representative for 4th Congressional District of Massachusetts**

Joe Kennedy III is proud to serve the Fourth District of Massachusetts in Congress. Currently in his second term, he represents a diverse district that spans from the suburbs of Boston to the more industrial towns of Massachusetts' South Coast.

As member of the influential House Energy & Commerce Committee, Joe has prioritized economic opportunity for working families. A vocal advocate for Science, Technology, Engineering, and Mathematics (STEM) education, vocational schools and community colleges, he has authored several pieces of legislation in Washington aimed at improving access to our modern economy, including the Perkins Modernization Act and STEM Gateways Act.

Inspired by the manufacturing traditions that drive many of the communities he represents, Joe also introduced the Revitalize American Manufacturing (RAMI) Act during his first term, which will help fuel innovation and new technologies throughout our manufacturing sector. After a year of building broad bipartisan and industry support, RAMI passed the House of Representatives and was signed into law by President Obama at the end of 2014.

From his spot on the E&C Committee, Joe has emphasized issues of critical importance to Massachusetts. Whether leading efforts to combat opiate abuse or working with federal regulators to tackle the rising cost of energy across New England, his legislative agenda is driven by the communities back home. Deeply dedicated to being as accessible as possible to his constituents, Joe has launched creative efforts to consistently visit every city and town in the 4th District, from "Tour 34" to "District Days."

Whether at home in the Commonwealth or down in Washington, Joe has become a powerful voice for social justice, championing issues like employment non-discrimination, pay equity, marriage equality and comprehensive immigration reform.

Prior to being elected to Congress, Joe served the Commonwealth of Massachusetts as an Assistant District Attorney in both the Middlesex County and Cape and Island's District Attorneys' Offices. Before that he served as a member of the Peace Corps in the Dominican Republic where he designed and implemented an economic development project near Puerto Plata.

Born and raised in Massachusetts, Joe is fluent in Spanish and holds a bachelor's degree in Management Science and Engineering from Stanford University as well as a J.D. from Harvard Law School.

He lives with his wife, Lauren, a health policy expert, their daughter, Eleanor, and their dog, Banjo, in Brookline, Mass.



**Dr. Zorica Pantić, President of Wentworth Institute of Technology**

Dr. Zorica Pantić is the president of Wentworth Institute of Technology in Boston and the first female engineer to head an institute of technology in the US. During her tenure, Wentworth has become a driving force in engineering, technology, design, and management education. The school has

implemented EPIC learning, or externally-collaborative, project-based, interdisciplinary culture for learning—an experiential learning model that prepares students for career success

Wentworth's graduates are highly skilled professionals and well-rounded citizens that fuel the economic growth of the region and beyond.

During Dr. Pantić's presidency, Wentworth began offering graduate level education in architecture, construction management, facilities management, civil engineering and technology management, awarding more than 120 master's degrees per year. In fall 2016 Wentworth will begin to offer its sixth graduate program in applied computer science. The Institute has also extended its STEM offerings by introducing 6 new

undergraduate engineering programs as well as its first 3-year program in Applied Mathematics and its first inter-disciplinary program in Computer Information Systems. Beyond academics, the Institute has experienced growth both in the enrollment and diversity of its student body; expanded the campus footprint; and enhanced its facilities by opening the modern Flanagan Campus Center, the state-of-the-art Center for Sciences and Biomedical Engineering, an upperclassmen apartment-style residence hall, and by making many other updates to laboratories, studios, and classrooms on campus.

Before joining Wentworth in 2005, Dr. Pantić served as the Founding Dean of the College of Engineering at the University of Texas at San Antonio, helping lead UTSA's effort to become a premier research institution by developing three doctoral programs and increasing research funding tenfold. She was also the Director of the School of Engineering at San Francisco State University and a Fulbright Scholar at the University of Illinois at Urbana-Champaign. She received her BS, MS and PhD degrees in Electrical Engineering from the University of Nish in Serbia.

Dr. Pantić is well recognized as an academic entrepreneur, technology advocate, agent for change, and a champion for diversity, making a positive impact at regional, state, and national levels. She serves on the Governor's STEM Advisory Council as well as the Massachusetts Workforce Investment Board. She is a member of the Board of Directors of the New England Association of Schools and Colleges (NEASC) and a member of the Executive Committee of the World Association for Co-operative Education (WACE).

She serves on the NCAA Division III Presidents Advisory Council and is on the Board of the American Association of Presidents of Independent Colleges and Universities (AAPICU). She has also served in leadership roles in many professional societies such as the Institute for Electrical and Electronic Engineers, American Society for Engineering Education and American Council for Education. She has published more than 80 journal and conference papers and has served on a variety of the National Science Foundation and National Academy of Engineering panels.

She has received many awards and recognitions including: Person of the Year by the New England Chapter of the Construction Management Association of America, WomenUp in the *Boston Business Journal*, Woman of the Year by the Boston Chapter of the National Association of Women Business Owners, Woman Entrepreneur of the Year by the San Antonio Women Business Chamber of Commerce, top 200 Serbian-Americans by the Serbian Diaspora, and election to the Serbian National Academy of Engineering.



**Dr. Yvonne M. Spicer, Vice President of Advocacy & Educational Partnerships at the Museum of Science's National Center for Technological Literacy**

Dr. Yvonne Spicer is a national and international speaker and advocate for pre-college science, technology, engineering, and math (STEM) education. In 2012, the International Technology & Engineering Educators Association (ITEEA) honored Spicer as a Distinguished Technology Educator (DTE). In 2013, she received the Massachusetts Association of Science Teachers' Russell P. Stanhope Distinguished Friend of Science Award for outstanding contributions to science education. In May 2016, the trail-blazing educator will receive an honorary

Doctor of Humanities from the Massachusetts College of Liberal Arts. Concerned by how many children in the U.S. "are shut out of technology and engineering," Spicer makes a compelling case for closing the underrepresented minority gap in engineering and school leadership.

With expertise in technology and engineering education standards development, assessment, and strategic school leadership, Spicer served on the steering committee for the frontrunner of the first national assessment for technology and engineering literacy in the 2014 National Assessment of Educational Progress (NAEP). She also served on the technology and engineering design team for the National Research Council (NRC) "Next Generation": Framework for Science Education which was approved July 19, 2011.

In January 2010, Spicer was appointed to the Massachusetts Governor's STEM Advisory Council as the co-chair of the council's teacher development committee. She was instrumental in establishing the 2001 Massachusetts technology/engineering curriculum framework with Ioannis (Yannis) Miaoulis, president and director, Museum of Science. She is also an advisor to the National Governors Association.

In addition, Spicer helps disseminate the Museum's K-12 curricula, Engineering is Elementary®, Building Math, Engineering Now!<sup>SM</sup> and Engineering the Future®, and she leads the Gateway Project, which originated in Massachusetts and is being replicated across the U.S. as a model to build leadership capacity for technological literacy. Endorsed by the Mass. STEM Advisory Council, and designed to guide systemic change, the Gateway Project helps school districts develop a strategic plan of action to implement K-12 technology and engineering programs. The Gateway community

represents 100 school districts serving over 640,000 students and 600 Mass. educational leaders.

Earning her Ed.D. at the University of Massachusetts-Boston in 2004, she focused her dissertation on how nine African American female public school principals transformed their schools and thrived as educational leaders. Spicer is the former director of career & technical education in Newton, Mass., and served as the statewide technology/engineering coordinator at the Mass. Department of Elementary and Secondary Education. She earned B.S. and M.S. degrees in industrial arts & technology from the State University of New York-Oswego. A Brooklyn, New York, native, she is committed to improving opportunities for females and students of color in science, technology, engineering, and mathematics (STEM) fields.